

## Contents

Adair, G.M., s. Nairn, R.S., et al.	384	Echt, C.S., s. Schwartz, D.	410
Altman, S., Feinstein, S.I.	347	Edmiston, S.H., s. Ginsburg, H., et al.	4
Andersson, D.I., Bohman, K., Isaksson, L.A., Kurland, C.G.: Translation Rates and Misreading Characteristics of <i>rpsD</i> Mutants in <i>Escherichia coli</i>	467	Egan, J.B., s. Hocking, S.M.	87, 174
Backhaus, H., s. Kufer, B., et al.	510	Ely, B., s. Ferber, D.M.	446
Beach, D., Piper, M., Nurse, P.: Construction of a <i>Schizosaccharomyces pombe</i> Gene Bank in a Yeast Bacterial Shuttle Vector and Its Use to Isolate Genes by Complementation	326	Fautz, E., s. Wienand, U., et al.	195
Bender, R.A., Eades, L.J.: A Nonsense Mutation in the Structural Gene for Glutamine Synthetase Leading to Loss of Nitrogen Regulation in <i>Klebsiella aerogenes</i>	414	Fedoroff, N., s. McCormick, S., et al.	494
Biasini, G., s. Márton, L., et al.	1	Feinstein, S.I., Altman, S.: Unusual Suppression Properties of Lysogens Containing Derivatives of $\phi 80$ psu <sup>+</sup>	347
Bibb, M.J., Cohen, S.N.: Gene Expression in <i>Streptomyces</i> : Construction and Application of Promoter-Probe Plasmid Vectors in <i>Streptomyces lividans</i>	265	Feinstein, S.I., Low, K.B.: Zygotic Induction of the <i>rac</i> Locus Can Cause Cell Death in <i>E. coli</i>	231
Blanz, P., s. Brennicke, A.	461	Feix, G., s. Langridge, P., et al.	432
Bohman, K., s. Andersson, D.I., et al.	467	Ferber, D.M., Ely, B.: Resistance to Amino Acid Inhibition in <i>Caulobacter crescentus</i>	446
Boitsov, A.S., s. Golubkov, V.I., et al.	310	Ferrara, P., s. Zakin, M.M., et al.	101
Boschwitz, H., s. Yudkin, M.D., et al.	244	Foltermann, K.F., s. Roof, W.D., et al.	391
Breeden, L., Yarus, M.: Amber Suppression Relaxes Stringent Control by Elongating Stringent Factor	254	Ford, C., Wang, W.-y.: Instability at the $\gamma$ -1 Locus of <i>Chlamydomonas reinhardtii</i>	286
Brennicke, A., Blanz, P.: Circular Mitochondrial DNA Species from <i>Oenothera</i> with Unique Sequences	461	Forstová, J., Grünnerová, H., Hostomský, Z., Doskočil, J.: Sequence Homology and Recombination Between the Genomes of Morphologically Dissimilar Bacteriophages LP52 and Theta	138
Burns, D.K., s. Chooi, W.Y., et al.	364	Friedemann, P., Peterson, P.A.: The <i>Uq</i> Controlling-Element System in Maize	19
Byers, B., Goetsch, L.: Reversible Pachytene Arrest of <i>Saccharomyces cerevisiae</i> at Elevated Temperature	47	Friesen, J.D., s. Holowachuk, E.W.	248
Byers, B., s. Goetsch, L.	54	Fuhrmann, M., Hennecke, H.: Coding Properties of Cloned Nitrogenase Structural Genes from <i>Rhizobium japonicum</i>	419
Calvo, J.M., s. Smith, D.R.	72	Gharbi, S., s. Murgier, M.	316
Cassuto, E., s. West, S.C., et al.	209	Ginsburg, H., Edmiston, S.H., Harper, J., Mount, D.W.: Isolation and Characterization of an Operator-Constitutive Mutation in the <i>recA</i> Gene of <i>E. coli</i> K-12	4
Chen, K., s. Shen, G.F., et al.	12	Goetsch, L., Byers, B.: Meiotic Cytology of <i>Saccharomyces cerevisiae</i> in Protoplast Lysates	54
Chiang, S.-J., Jordan, E., Clowes, R.C.: Intermolecular and Intramolecular Transposition and Transposition Immunity in <i>Tn3</i> and <i>Tn2660</i>	187	Goetsch, L., s. Byers, B.	47
Chooi, W.Y., James, S.M., Burns, D.K.: Decrease in Ribosomal Proteins 1, 2/3, L4, and L7 in <i>Drosophila melanogaster</i> in the Absence of X rDNA	364	Golubkov, V.I., Reichardt, W., Boitsov, A.S., Iontova, I.M., Malke, H., Totlian, A.A.: Sequence Relationships between Plasmids Associated with Conventional MLS Resistance and Zonal Lincomycin Resistance in <i>Streptococcus pyogenes</i>	310
Chooi, W.Y., s. Sabatini, L.M., et al.	370	Gorbunova, L.V., Varshaver, N.B., Marshak, M.I., Shapiro, N.I.: The Role of the Transforming A Gene of SV40 in the Mutagenic Activity of the Virus	473
Chooi, W.Y., s. Scofield, S.R.	37	Greene, R.C., Krueger, J.H., Johnson, J.R.: Localization of the <i>metJBLF</i> Gene Cluster of <i>Escherichia coli</i> in $\lambda$ met Transducing Phage	401
Clowes, R.C., s. Chiang, S.-J., et al.	187	Greene, R.C., s. Zakin, M.M., et al.	101
Cohen, G.N., s. Zakin, M.M., et al.	101	Grünnerová, H., s. Forstová, J., et al.	138
Cohen, S.N., s. Bibb, M.J.	265	Guiso, N., Joseph, E., Daniel, J.: <i>crpX</i> Mutants of <i>Escherichia coli</i> K-12: Specific Regulatory Effects of Altered Cyclic AMP Receptor Proteins	291
Comer, M.M.: Threonine tRNAs and Their Genes in <i>Escherichia coli</i>	132	Guterman, S.K., s. Kent, R.B.	330
Cummings, D.J., s. Seilhamer, J.J.	236	Hahlbrock, K., s. Wienand, U., et al.	195
Dabbs, E.R.: A Spontaneous Mutant of <i>Escherichia coli</i> with Protein L24 Lacking from the Ribosome	453	Harper, J., s. Ginsburg, H., et al.	4
Dabbs, E.R.: Selection in <i>Bacillus subtilis</i> Giving Rise to Strains with Mutational Alterations in a Variety of Ribosomal Proteins	297	Harrison, B., s. Wienand, U., et al.	195
Dabbs, E.R.: Three Additional Loci of Rifampicin Dependence in <i>Escherichia coli</i> (Short Communication)	519	Hartman, P.S., Herman, R.K.: Somatic Damage to the X Chromosome of the Nematode <i>Caenorhabditis elegans</i> Induced by Gamma Radiation	116
Daniel, J., s. Guiso, N., et al.	291	Hase, T., s. Tsurimoto, T., et al.	79
Dautry-Varsat, A., s. Zakin, M.M., et al.	101	Hashimoto-Gotoh, T., Ishii, K.: Temperature Sensitive Replication Plasmids are Passively Distributed During Cell Division at Non-Permissive Temperature: A New Model for Replicon Duplication and Partitioning (Short Communication)	523
Davis, E.J., Henry, J.: Conjugal Transfer Replication of R64 <i>drd11</i> Plasmid DNA in the Donor Cells of <i>Escherichia coli</i> K-12	305	Hennecke, H., s. Fuhrmann, M.	419
Del Giudice, L., s. Massardo, D.R., et al.	96	Henry, J., s. Davis, E.J.	305
Doskočil, J., s. Forstová, J., et al.	138	Herman, R.K., s. Hartman, P.S.	116
Downie, J.A., s. Ma, Q.-S., et al.	166	Hirota, Y., s. Takeda, Y.	67
Duchange, N., see Zakin, M.M., et al.	101		
Dumas, L.B., Lussky, J.P., McFarland, E.J., Shampay, J.: New Temperature-Sensitive Mutants of <i>Saccharomyces cerevisiae</i> Affecting DNA Replication	42		
Duvall, E., s. Zhu, Y.S., et al.	61		
Eades, L.J., s. Bender, R.A.	414		

Hocking, S.M., Egan, J.B.: Genetic Characterization of Twelve P2-186 Hybrid Bacteriophages (Short Communication)	174	Malke, H., s. Golubkov, V.I., et al.	310
Hocking, S.M., Egan, J.B.: Genetic Map of Coliphage 186 from a Novel Use of Marker Rescue Frequencies	87	Manna, F., s. Massardo, D.R., et al.	96
Holowachuk, E.W., Friesen, J.D.: Isolation of a Recombinant Lambda Phage Carrying <i>musA</i> and Surrounding Region of the <i>Escherichia coli</i> K-12 Chromosome	248	Manning, P.A., Timmis, J.K., Moll, A., Timmis, K.N.: Mutants that Overproduce TraTp, a Plasmid-Specified Major Outer Membrane Protein of <i>Escherichia coli</i>	426
Hombrecher, G., s. Ma, Q.-S., et al.	166	Manoil, C., Rosenbusch, J.P.: Conjugation-Deficient Mutants of <i>Escherichia coli</i> Distinguish Classes of Functions of the Outer Membrane OmpA Protein	148
Hostomský, Z., s. Forstová, J., et al.	138	Margarita, D., s. Zakin, M.M., et al.	101
Howard-Flanders, P., s. West, S.C., et al.	209	Marshak, M.I., s. Gorbunova, L.V., et al.	473
Hubáček, J., Kossykh, V.G.: Trans-Dominant Mutation Affecting Restriction and Modification in <i>Escherichia coli</i> K-12	459	Márton, L., Sidorov, V., Biasini, G., Maliga, P.: Complementation in Somatic Hybrids Indicates Four Types of Nitrate Reductase Deficient Lines in <i>Nicotiana plumbaginifolia</i>	1
Humphrey, R.M., s. Nairn, R.S., et al.	384	Massardo, D.R., Del Giudice, L., Manna, F., Wolf, K.: Extrachromosomal Inheritance of Nalidixic Acid Resistance in the Petite Negative Yeast <i>Schizosaccharomyces pombe</i>	96
Iontova, I.M., s. Golubkov, V.I., et al.	310	Matsubara, H., s. Tsurimoto, T., et al.	79
Isaksson, L.-A., s. Andersson, D.I., et al.	467	Matsubara, K., s. Tsurimoto, T., et al.	79
Ishii, K., s. Hashimoto-Gotoh, T.	523	Mauvais, J., s. McCormick, S., et al.	494
Iyer, R.K., s. Tuli, R., et al.	342	McCormick, S., Mauvais, J., Fedoroff, N.: Evidence that the Two Sucrose Synthetase Genes in Maize are Related	494
Jackson, J.F., Linskens, H.F.: Metal Ion Induced Unscheduled DNA Synthesis in <i>Petunia</i> Pollen	112	McFarland, E.J., s. Dumas, L.B., et al.	42
James, S.M., s. Chooi, W.Y., et al.	364	Mironov, A.S., s. Sukhodolets, V.V., et al.	157
Johnson, J.R., s. Greene, R.C., et al.	401	Molin, S., s. Light, J.	486
Johnston, A.W.B., s. Ma, Q.-S., et al.	166	Moll, A., s. Manning, P.A., et al.	426
Jordan, E., s. Chiang, S.-J., et al.	187	Morona, R., Reeves, P.: A New Locus, <i>stc</i> , which Affects the Phenotype of <i>tolC</i> Mutants of <i>Escherichia coli</i> K-12	335
Joseph, E., s. Guiso, N., et al.	291	Martin, M.A., Kaufman, T.C.: Developmental Genetics of a Temperature-Sensitive RNA Polymerase II Mutation in <i>Drosophila melanogaster</i>	120
Kaufman, T.C., s. Mortin, M.A.	120	Mount, D.W., s. Ginsburg, H., et al.	4
Kauvar, L.M.: Reduced [ <sup>3</sup> H]-Tetrodotoxin Binding in the <i>nap<sup>b</sup></i> Paralytic Mutant of <i>Drosophila</i>	172	Murgier, M., Gharbi, S.: Fusion of the <i>lac</i> Genes to the Promoter for the Aminopeptidase N Gene of <i>Escherichia coli</i>	316
Kaziro, Y., s. Takebe, Y.	355	Nairn, R.S., Adair, G.M., Humphrey, R.M.: DNA-Mediated Gene Transfer in Chinese Hamster Ovary Cells: Cloned Variation in Transfer Efficiency	384
Kent, R.B., Guterman, S.K.: Temperature-Sensitive Mutant <i>rho-115</i> Rho-RNA Binary Complexes, and Stabilization by Substrates and Analogues	330	Nakata, A., s. Makina, K., et al.	181
Keynan, A., s. Yudkin, M.D., et al.	244	Novitskaja, V.A., s. Krivonogov, S.V.	302
Kline, B.C., Seelke, R.W.: Genetic Evidence that Control of F Replication is Negative	218	Nurse, P., s. Beach, D., et al.	326
Kobori, J.A., s. Rowen, L., et al.	501	Otsuji, N., Soejima, T., Maki, S., Shinagawa, H.: Cloning of Colicin E1 Tolerant <i>tolC</i> ( <i>mtcB</i> ) Gene of <i>Escherichia coli</i> K12 and Identification of its Gene Product	30
Kogoma, T., s. Torrey, T.A.	225	Ou, J.T., Yura, T.: <i>Escherichia coli</i> K-12 F <sup>-</sup> Mutants that Form Mating Aggregates but Form Transconjugants with Low Frequencies	202
Kossykh, V.G., s. Hubáček, J.	459	Pal, S.K., Poddar, R.K.: Effect of Bacteriophage $\phi$ X174 Infection on the Conformation of <i>Escherichia coli</i> DNA	162
Kozloff, L.M., s. Zoropulos, J.	278	Pandey, A.K., s. Singh, S.P.	240
Kreuzaler, F., s. Wienand, U., et al.	195	Parker, J.: Specific Mistranslation in <i>hisT</i> Mutants of <i>Escherichia coli</i>	405
Krivonogov, S.V., Novitskaja, V.A.: A Protein, Connected with the Integrity of the <i>recF</i> Gene in <i>Escherichia coli</i> K-12	302	Peterson, P.A., s. Friedemann, P.	19
Krueger, J.H., s. Greene, R.C., et al.	401	Peterson, P.A., s. Wienand, U., et al.	195
Kufer, B., Backhaus, H., Schmieger, H.: The Packaging Initiation Site of Phage P22. Analysis of Packaging Events by Transduction	510	Pintor-Toro, J.A., s. Langridge, P., et al.	432
Kung, S.D., s. Shen, G.F., et al.	12	Piper, M., s. Beach, D., et al.	326
Kung, S.D., s. Zhu, Y.S., et al.	61	Poddar, R.K., s. Pal, S.K.	162
Kurland, C.G., s. Andersson, D.I., et al.	467	Py, M.-C., s. Zakin, M.M., et al.	101
Langridge, P., Pintor-Toro, J.A., Feix, G.: Zein Precursor mRNAs from Maize Endosperm	432	Ragg, H., s. Wienand, U., et al.	195
Light, J., Molin, S.: The Sites of Action of the two Copy Number Control Functions of Plasmid R1	486	Reeves, P., s. Morona, R.	335
Linkova, E.V., s. Sukhodolets, V.V., et al.	157	Reichardt, W., s. Golubkov, V.I., et al.	310
Linskens, H.F., s. Jackson, J.F.	112	Roof, W.D., Foltermann, K.F., Wild, J.R.: The Organization and Regulation of the <i>pyrB1</i> Operon in <i>E. coli</i> Includes a Rho-Independent Attenuator Sequence	391
Lovett, P.S., s. Zhu, Y.S., et al.	61	Rosenbusch, J.P., s. Monoil, C.	148
Low, K.B., s. Feinstein, S.I.	231	Rowen, L., Kobori, J.A., Scherer, S.: Cloning of Bacterial DNA Replication Genes in Bacteriophage $\lambda$	501
Luk, K.-C.: A Rho-Independent Termination Caused by the Inverted <i>nrl</i> Site of Phage Lambda	320	Sabatini, L.M., Macklin, M.D., Chooi, W.Y.: Homology Between <i>Drosophila melanogaster</i> and <i>Escherichia coli</i> Ribosomal Proteins	370
Lussky, J.P., s. Dumas, L.B., et al.	42	Saeedler, H., s. Wienand, U., et al.	195
Ma, Q.-S., Johnston, A.W.B., Hombrecher, G., Dowine, J.A.: Molecular Genetics of Mutants of <i>Rhizobium leguminosarum</i> Which Fail to Fix Nitrogen	166	Scherer, S., s. Rowen, L., et al.	501
Macklin, M.D., s. Sabatini, L.M., et al.	370	Schmieger, H.: Packaging Signals for Phage P22 on the Chro-	
Maki, S., s. Otsuji, N., et al.	19		
Makino, K., Shinagawa, H., Nakata, A.: Cloning and Characterization of the Alkaline Phosphatase Positive Regulator Gene ( <i>phoB</i> ) of <i>Escherichia coli</i>	181		
Maliga, P., s. Márton, L., et al.	1		

mosome of <i>Salmonella typhimurium</i> (Short Communication)	516
Schmieger, H., s. Kufer, B., et al.	510
Schwartz, D., Echt, C.S.: The Effect of <i>Ac</i> Dosage on the Production of Multiple Forms of Wx Protein by the <i>wx<sup>m-9</sup></i> Controlling Element Mutation in Maize	410
Schwarz, Zs., s. Wienand, U., et al.	195
Schweingruber, A.-M., Schweingruber, M.E.: Differential Regulation of the Active and Inactive Forms of <i>Saccharomyces cerevisiae</i> Acid Phosphatase	107
Schweingruber, M.E., s. Schweingruber, A.-M.	107
Scofield, S.R., Chooi, W.Y.: Structure of Ribosomes and Ribosomal Subunits of <i>Drosophila</i>	37
Seelke, R.W., s. Kline, B.C.	218
Seilhamer, J.J., Cummings, D.J.: Altered Genetic Code in <i>Paramecium</i> Mitochondria: Possible Evolutionary Trends	236
Shampay, J., s. Dumas, L.B., et al.	42
Shapiro, N.I., s. Gorbunova, L.V., et al.	473
Shen, G.F., Chen, K., Wu, M., Kung, S.D.: <i>Nicotiana</i> Chloroplast Genome. IV. <i>N. accuminata</i> has Larger Inverted Repeats and Genome Size	12
Shepherd, N., s. Wienand, U., et al.	195
Shinagawa, H., s. Makino, K., et al.	181
Shinagawa, H., s. Otsuji, N., et al.	19
Sidorov, V., s. Márton, L., et al.	1
Singh, S.P., Pandey, A.K.: Cadmium-Mediated Resistance to Metals and Antibiotics in a Cyanobacterium	240
Smith, D.R., Calvo, J.M.: Nucleotide Sequence of Dihydrofolate Reductase Genes from Trimethoprim-Resistant Mutants of <i>Escherichia coli</i> . Evidence that Dihydrofolate Reductase Interacts with Another Essential Gene Product	72
Soejima, T., s. Otsuji, N., et al.	19
Soll, D.R., s. Whelan, W.L.	477
Som, T., Tomizawa, J.: Origin of Replication of <i>Escherichia coli</i> Plasmid RSF 1030	375
Sommer, H., s. Wienand, U., et al.	195
Strommen, C.A.: Paternal Transmission of Entire Complements of Chromosome Two in <i>Drosophila melanogaster</i>	126
Sukhodolets, V.V., Mironov, A.S., Linkova, E.V.: Influence of the <i>rho-15</i> Temperature-Sensitive (ts) Mutation on the Expression of the <i>deo</i> -operon in <i>Escherichia coli</i>	157
Takebe, Y., Kaziro, Y.: In vitro Construction of the <i>tufB-lacZ</i> Fusion: Analysis of the Regulatory Mechanism of <i>tufB</i> Promoter	355
Takeda, Y., Hirota, Y.: Suppressor Genes of a <i>dnaA</i> Temperature Sensitive Mutation in <i>Escherichia coli</i>	67
Tamaki, H.: Genetic Properties of Abortive Products Resulting from the Protoplast Fusion in Yeasts (Short Communication)	177
Thomas, J., s. Tuli, R., et al.	342
Timmis, J.K., s. Manning, P.A., et al.	426
Timmis, K.N., s. Manning, P.A., et al.	426
Tohoyama, H., Yanagishima, N.: Production of and Sensitivity to $\alpha$ and $\alpha$ Pheromones in Mutants of the Mating Type Locus in <i>Saccharomyces cerevisiae</i> (Short Communication)	526
Tomizawa, J., s. Som, T.	375
Torrey, T.A., Kogoma, T.: Suppressor Mutations ( <i>rim</i> ) that Specifically Suppress the <i>recA</i> <sup>+</sup> Dependence of Stable DNA Replication in <i>Escherichia coli</i> K-12	225
Totolian, A.A., s. Golubkov, V.I., et al.	310
Tsurimoto, T., Hase, T., Matsubara, H., Matsubara, K.: Bacteriophage Lambda Initiators: Preparation from a Strain that Overproduces the <i>O</i> and <i>P</i> Proteins	79
Tuli, R., Iyer, R.K., Thomas, J.: Regulation of Expression of <i>nif</i> and <i>hut</i> Operons in <i>Klebsiella pneumoniae</i> by <i>glnA</i> Linked Genes of <i>Escherichia coli</i>	342
Varshaver, N.B., s. Gorbunova, L.V., et al.	473
Venema, G., s. Vos, W.M. de	439
Vos, W.M. de Venema, G.: Transformation of <i>Bacillus subtilis</i> Competent Cells: Identification of a Protein Involved in Recombination	439
Wang, W.-Y., s. Ford, D.	286
West, S.C., Cassuto, E., Howard-Flanders, P.: Postreplication Repair in <i>E. coli</i> : Strand Exchange Reactions of Gapped DNA by RecA Protein	209
Whelan, W.L., Soll, D.R.: Mitotic Recombination in <i>Candida albicans</i> : Recessive Lethal Alleles Linked to a Gene Required for Methionine Biosynthesis	477
Wienand, U., Sommer, H., Schwarz, Zs., Shepherd, N., Saedler, H., Kreuzaler, F., Ragg, H., Fautz, E., Hahlbrock, K., Harrison, B., Peterson, P.A.: A General Method to Identify Plant Structural Genes Among Genomic DNA Clones Using Transposable Element Induced Mutations	195
Wild, J.R., s. Roof, W.D., et al.	391
Wolf, K., s. Massardo, D.R., et al.	96
Wu, M., s. Shen, G.F., et al.	12
Yanagishima, N., s. Tohoyama, H.	526
Yarus, M., s. Breeden, L.	254
Yudkin, M.D., Boschwitz, H., Keynan, A.: The Effect of Mutations in <i>spoOA</i> or <i>spoOA</i> on the Pattern of Protein Synthesis in <i>Bacillus subtilis</i> under Sporulation Conditions	244
Yura, T., s. Ou, J.T.	202
Zakin, M.M., Greene, R.C., Dautry-Varsat, A., Duchange, N., Ferrara, P., Py, M.-C., Margarita, D., Cohen, G.N.: Construction and Physical Mapping of Plasmids Containing the <i>metJBLF</i> Gene Cluster of <i>E. coli</i> K12	101
Zhu, Y.S., Duvall, E.J., Lovett, P.S., Kung, S.D.: <i>Nicotiana</i> Chloroplast Genome. V. Construction, Mapping and Expression of Clone Library of <i>N. otophora</i> Chloroplast DNA	61
Zorzosopoulos, J., Kozloff, L.M.: A T4 DNA Fragment Containing Genes for the Baseplate Central Plug: Endonuclease Restriction, Gene Expression and Cell Wall Changes	278

Indexed in Current Contents